ROUGH DRAFT : for Discussion Only
Outline of Agencies Biological Goals and Objectives
San Joaquin River Tributaries

Paradigm Shift:

From "how much water do fish need" to "demonstrate how current river flow is sufficient".

Working toward

1. Mana
   a. t be viable for Key Species and Processes
      must contribute to overall system
   b. Use "K each overall system integrity not as single spe
   c. Manage Ec rvices over time
   d. Natural Flow ce"
2. Adaptive Management
   a. Complexity does owledge
   b. System has been gr
      i. Can't "Restor
      ii. Need to tem
      iii. Need to pr ebuild Biodiversity
   c. System will continue to cha
      i. Climate Change
      ii. Social Change (es, flood management, etc)
      iii. Invasive Species
      iv. Implementation of Re
      v. Tipping points, regime
3. Keystone Species/ Biological Communities
   a. Fall-run Chinook Salmon
      i. Protective/supportive of All Life Stag
         1. Juvenile production
         2. juvenile passage to, through and out of Delta
         3. Adult attraction and passage
         4. Temperature issues
      ii. Doubling Goal is mandated
         1. Based on Natural production
         2. Need to Define Doubling Goal for each Tributary
         3. Need ecological processes that can support Doubling Goal
   b. Gravel Bars, Ripples and Runs

   c. Riparian Forests
   d. Floodplain
   e. South Delta Current and Future Conditions
4. Species of Special Concern
   a. Steelhead
   b. Riparian Brush Rabbit
   c. Sacramento Splittail
   d. Swanson Hawk
5. Ecosystem Functions and Services
6. Other Stressors
   a. Temp
   b. C
   c.
   d. (large changes in releases over short periods)
   e. E etc
   f. Sali er coming from the SJR meeting fresher Sac River ta
   g. Ecologi favoring non-natives
   h. Straying